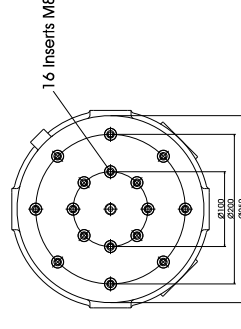
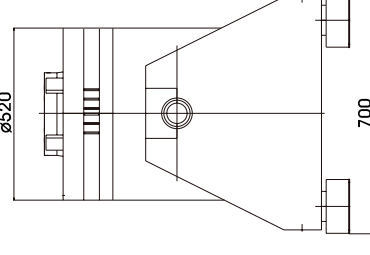
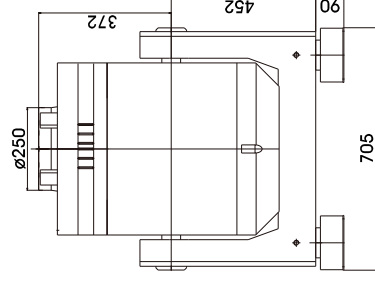


TECHNICAL PARAMETERS Vibration exciter S 55240/LSS-250

| | |
|--|---|
| Rated peak force $S_{pk}/Random/Shock_{pk}^1$ | 4000/3400/12000 N |
| Frequency range | 5-2000 Hz |
| Main resonance frequency | >2000 Hz |
| Max. displacement Peak-Peak ² | 100 mm |
| Max. velocity Sine/Random/Shock | 2.0/2.0/4.5 m/s |
| Max. acceleration Sine/Random/Shock ¹ | 37/30/74 g |
| Suspension stiffness | electronically adjustable |
| Effective moving mass | 12.0 kg |
| Max. weight tested | 50 kg |
| Weight | 800 kg |
| Magn. stray field Std./low degaussing | <1.5/<0.8 mT |
| Armature diameter | 250 mm |
| Interlocks | Temperature, displacement, cooling air, overcurrent |

1) theoretical maximum shock value. Depends on payload, amplifier, shock and shock width
2) only with foundation mounting



SCOPE OF DELIVERY, OPTIONS AND FEATURES OF THE SYSTEM

Scope of delivery:

- Vibration exciter 4 kN
- Swivel frame
- Power amplifier 22.5 kVA
- Cooling blower
- Connection cables (each 5 m)
- Power cables (5 m)
- for amplifier (CEE 32 connector)
- Blower hose $\phi 60$ mm (5 m)

Options:

- Different hole pattern of armature (different pitch diameter and/or thread inserts) at customers request
- Low degaussing kit to further reduce stray magnetic field
- Wheels&Rails (incl. 3m rails)
- Squeak&Rattle (Silent operation without blower)
- Thermobarrier
- Chamber leadthrough
- Climatic chamber support kit
- Remote control (Software)
- Silencer for cooling blower (Noise reduction up to 6 dB(A))
- Acoustic enclosure for cooling blower (Noise reduction 15 - 23 dB(A))
- Cable extension
- Factory acceptance test

Features:

- Vibration isolation < 6 Hz
- Coarse filter unit
- Fully automatic electronic load compensation
- Electronic zero point regulation with adjustable stiffness
- Automatic centering of the armature
- Degauss kit to reduce stray magnetic field
- Integrated mains switch and line filter
- Integrated field power supply
- Noise-button
- Input voltage analyzer
- Voltage clipping limiter to avoid clipping
- 3 Sigma Peak current
- Made in Germany
- Servicehotline

TECHNICAL PARAMETERS Amplifier A 1 01 3 023 T

Output power_{RMS}
 Frequency range
 Voltage_{RMS}, max.
 Current_{RMS}, max.
 Load resistance, opt.
 Signal input voltage_{RMS} (switchable)
 Distortion
 Signal to noise ratio
 Field voltage, max.
 Field current, max.
 Weight
 Dimensions (WxHxD)
 Power supply (Standard)
 Recommended fuse protection (Standard)
 Max. power consumption at 400 V (incl. blower)
 Interlocks:

Features:
 High signal to noise ratio of > 90 dB
 Field supply integrated
 Mains switch and integrated line filter
 ESD-monitoring
 (Protection of the system against damage)
 Field voltage/Field current variable
 according to customer spec.

22500 VA
 DC - 4 kHz
 150 V
 150 A
 1 Ohm
 2.5/5/10 V
 < 0.7 %
 > 90 dB
 140 V
 8 A
 330 kg
 600 x 1800 x 800 mm
 3~ / N / PE 400 V ± 5% 50 Hz, CEE 32
 32 A slow
 7.7 kVA
 Overload, temperature, clipping
 and more

Noise-button
 Input voltage analyzer
 Voltage clipping limiter to avoid
 clipping
 3 Sigma peak current
 Electronic zero-point-regulation (TMC)

TECHNICAL PARAMETERS Cooling blower TB 0310

Volume flow rate
 Total pressure difference
 Power
 Frequency
 Hose diameter
 Hose length (Std.)
 Weight
 Dimensions (WxHxD)
 Sound pressure level, max.
 Power supply (standard)
 Max. power consumption at 400 V

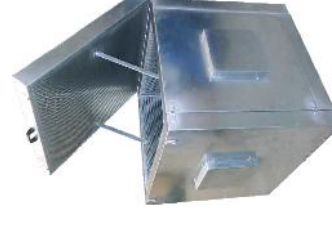
Options:
 Silencer TB 0310-SI (Noise reduction up to 6 dB(A))
 Dimensions (LxD): 308 x 82 mm
 Weight: 0.58 kg
 Acoustic enclosure TB 0310-AE (Noise reduction 15 - 23 dB(A))
 Dimensions (WxHxD): 795 x 841 x 836 mm
 Weight: 55 kg
 Hose length according to customer request (up to 10 m)



Cooling blower TB 0310



Silencer TB 0310-SI
(optional)



Acoustic enclosure TB 0310-AE
(optional)